BRUHATH BANGALORE MAHANAGARA PALIKE, DASARAHALLI ZONE

Office of the Executive Engineer, Dasarahalli Division,

SCHEUDLE -'B'

Name of Work : Drilling of 7 No's of Borewell & fixing of pump motor and necessary accessories At Abbigere, Sheetyhalli, Medarahalli, Chikkasandra in different Locations Ward No.12, in Shettyhalli Sub Division.

Sl. No.	Description of Work	Unit	Qty.	Sanctioned Estimate Rates	
				In Figures	In Word (Rs.)
1	2	3	4	5	6
1.	Geophysical investigation of site for sinking borewell for supply drinking water to the habitation either through the hand pump M.W.S. or P.W.S.S. by vertical electrical sounding by adopting venner or schlumberger's method including reconnaissance survey of geological formation Geophysical investigation of existing ground water infecundity its quality, quantity and acceptability of the user indicating the location of site recommended depth of casting pipe required to seal the top in consolidated formation including an extra depth of 1.00 mtrs in consolidated formation of proper scatting of casing pipe, depth of drilling required to cover of full depth of aquifer proposed to be tapped. Probable yield and other information required including transportation technical personal and labour etc.,	Nos	7.00	1938.46	Rupees One Thousand Nine Hundred Thirty Eight and Forty Six Paise only
2.	Sinking borewell of 165mm dia clear using super fast hydraulic Rig of capacity 250 PSIG and above 900 CFM and above in all strata including over burden up on 20 mtrs fixing of casing pipes, collars and cap with necessary cutting, threading and welding includ9ing transportation of Rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding cost of casing pipes, colars and cap etc.,	Mtr			
a	0.00 to 50.00 Mtrs	Mtr	350.00	315.18	Rupees Three Hundred Fifteen and Eighteen Paise only
b	50.00 to 100.00 Mtrs	Mtr	350.00	412.00	Rupees Four Hundred Twelve only
c	100.00 to 150.00 Mtrs	Mtr	350.00	458.35	Rupees Four Hundred Fifty Eight and Thirty Five Paise only
d	150.00 to 200.00 Mtrs	Mtr	350.00	484.10	Rupees Four Hundred Eighty Four and Ten Paise only

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1	2	3	4	5	6
e	200.00 to 250.00 Mtrs	Mtr	350.00	560.32	Rupees Five Hundred Sixty and Thirty Two Paise only
f	250.00 to 300.00 Mtrs	Mtr	700.00	600.49	Rupees Six Hundred and Forty Nine Paise only
3	Supply of ISI mark 175mm nominal bore, plain end steel casing pipe, grade of steel Fee 410 of wall thickness 5.4mm thick to IS 1387/1993 and manufactured by basic open hearth electric of basic oxygen process in random length of 5 to 7mtr both ends threaded confirming to IS 554/1985, one end fixed with socket confirming to 4270/2001 and the other end with screwed pipes. All pies shall be reasonably free from defects., The tubes shall be reasonably straight should be with ISI Marketing weighting 25.10 Kg /mtrs. (inclusive of all taxes and duties). Prices include collar-medium duty, 1) casing pipe.	Rmt	630.00	1364.75	Rupees One Thousand Three Hundred Sixty Four and Seventy Five Paise only
4	Providing and fixing 250mm dia PVC pipe complete as per specification.	Each	126.00	1133.00	Rupees One Thousand One Hundred Thirty Three only
5.	175mm dia M.S. Casing Cap complete as per specification.	Each	7.00	100.00	Rupees One Hundred only
6.	M.S. Casing pipe collars 'C' Class complete as per specification	Each	105.00	150.00	Rupees One Hundred Fifty only
7.	Supplying and delivery at site brand new texmo / innoval / Lubi / Sabar/ Atalanta / Calamal make suitable for vertical installation in 150mm dia borewell compressing of single stage of multistage CF pump close coupled means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for operation of 3 PH, 50 Hz., 380/440 volts AC supply fitted with required accessories such as suction casing suction strainers sand guard Non return value etc., complete. The pump and motor shall form an integral unit with all the required fittings 15.000 HP 25 Stage complete as per specifications.	Set	7.00	71265.25	Rupees Seventy One Thousand Two Hundred Sixty Five and Twenty Five Paise only
8.	Providing, laying and jointing GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts thread using white lead and threads for joints wherever necessary as per direction including all lead and lift etc., complete 'A' grade (excluding cost of fittings) 50mm dia GI pipe complete as per specification	Rmt	1862.00	321.00	Rupees Three Hundred Twenty One Only
9.	Providing and fixing heavy duty collar complete as per specification	Nos	322.00	84.80	Rupees Eighty Four and Eighty Paise only

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10.	Supplying and drawing 3 core PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS : 8130 -1984 and virgin grade PVC insulation and sheathed suitable for working voltage up to 1100 volts 4 Sqmm of 56 strands 0.3mmdia complete as per specification.	Mtr	4032.00	164.29	Rupees One Hundred Sixty Four and Twenty Nine Paise only
11.	Supplying and delivery at site brand new star / Essen /Lotus / Sun Shines / Adarsh / GK controls best indigenous make combined energy meter cum control panel board unit of size 1200x600x350mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3ph, 50Hz, 380/440 volts, AC supply with spring loaded latch, locking device with a key ribs should be provide inside the door canopy apron and lovers ventilators shall be provided the combined energy meter cum control panel board unit suitable for operation on 30h, 50Hz, 380/440 volts AC supply shall be consists etc., complete the panel board shall be consists etc., complete the panel board shall be fabricated on single unit in the above components panel board for suitable pump set 6.50 HP to 15.00 HP with star delta starter (Market Rate)	Nos	7.00	12500.00	Rupees Twelve Thousand Five Hundred Only
12.	Fabricating supplying and mounting MS box of 16 SWB suitable for floor /wall mounting fully weather proof with provision for better hear description, (providing with hinged front cover, equipped with tamper proof locking, arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primers paint and finally finished with approved colour enameled metal paint etc., complete as per specifications.	Sqm	154000.00	0.34	Thirty Four Paise only
13.	Providing and fixing of clamps set and borewell cap to the pump complete as per specification	Nos	7.00	100.00	Rupees One Hundred only
14.	Supplying and delivery of brand new best make non return valve of size 50mm as per IS : 778/84 with latest amendments with ISI mark (50mm Gate wheel Vlave complete as per specification	Nos	21.00	1600.00	Rupees One Thousand Six Hundred only
15.	Supplying and delivery of brand new best make Gate valve of size 50mm as per IS : 778/84 with latest amendments with ISI mark, 50mm Gate valve for distributor pipeline 50mm dia complete as per specification.	Nos	21.00	1145.00	Rupees One Thousand One Hundred Forty Five only
16.	Providing and fixing of 50mm GI bend to motor complete as per specification	Mtrs	21.00	219.00	Rupees Two Hundred Nineteen Only
17.	Providing and fixing or 500mm GI Nipple to motor complete as per specification	Nos	21.00	104.30	Rupees One Hundred Four and Thirty Paise only
18.	Providing and fixing or 500mm GI union to the motor complete as per specification	Nos	21.00	223.70	Rupees Two Hundred Twenty Three and Seventy Paise only

1	2	3	4	5	6
19.	Labour charges for erection of new / repaired submersible pump set along with GI pipes (32 / 50mm) cable (new submersible pump set if required will be supplied by the department free of cost and released pump set should be handed over to department) including transportation (each length = 6.00 m) complete as per specification	Nos	364.00	90.64	Rupees Ninety and Sixty Four Paise only
20.	Supplying and fixing miniature circuit /breakers / isolators in existing MCB distribution boards using necessary fixing materials and wiring complete as required 40 to 63 Amps DP Complete as per specification.	Nos	7.00	906.40	Rupees Nine Hundred Six and Forty Paise only
21.	Supplying and laying of L.T. U.G. Cable having aluminum / conductor PVC insulated sheathed galvanized steel wire / steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 Sqmm cable (confirming to IS 1554 complete as per specification.	Mtrs	210.00	169.95	Rupees One Hundred Sixty Nine and Ninety Five Paise only
22.	Digging of trenches of 0.6x0.5m wide refilling the trench to the required ground level and consolidating etc., complete cutting road surface. complete as per specification.	Mtr	210.00	56.65	Rupees Fifty Six and Sixty Five Paise only
23.	Supplying and fixing Class-A GI pipe on pole / wall / drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class 40 mm complete as per specification.	Mtrs	210.00	294.58	Rupees Two Hundred Ninety Four and Fifty Eight Paise only
24.	Supplying and fixing wiring earth electrode for grounding conduits, IC cutouts and other equipments on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtrs long buried in a pit / the pit should be filed with equal proportion of salt and charcoal 150mm alround the pipe to complete depth the connections from the pipe to the conduit etc., is to be established though GI wire of size as per ISI specification 7.3.3 of ISI 732 using 12mm dia bolts nuts washers and checknuts etc., the pipe shall have 16 through holes of 122mm dia complete as per specification.	Nos	7.00	1699.50	Rupees One Thousand Six Hundred Ninety Nine and Fifty Paise only
25.	Supply and fixing LT cast iron pot heads suitable for 1.1 KV Class 16 Sqmm UG Cable filled with necessary bitumen / insulation compound complete with terminals, clamps, bolts and nuts and washers etc., complete as per specification.	NOs	7.00	271.92	Rupees Two Hundred Seventy One and Ninety Two Paise only
26	Supplying shunt capacitor's confirming to IS 2834, 3 phase 400 / 440 volts grade for power factor improvement of roating machinery capacitor in KVAR rating No's complete as per specification.	Nos	7.00	1350.00	Rupees One Thousand Three Hundred Fifty only
27.	Providing and fixing Gun Metal Gate wheel valve conforming to IS specification of approved make as per direction including all leads and lift etc., complete 50mm dia complete as per specification.	Nos	21.00	1515.80	Rupees One Thousand Five Hundred Fifteen and Eight Paise only

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28.	Supplying and fixing of polished wood board made of not less than 15mm thick plank on both sides with planks made out on not more than 2 pieces and fixing the same to wall using tapered inverted wooden plugs screws etc., size 20 x 20 x 2.5mm inches complete as per specification.	Nos	7.00	311.58	Rupees Three Hundred Eleven and Fifty Eight Paise only
29.	Earthwork excavation for foundation of buildings water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of pits and trenches stacking the excavated soil clear from edges of excavation with lead upo to 50m after breaking of clods complete as per specification.	Cum	597.24	173.84	Rupees One Hundred Seventy Three and Eight Four Paise only
30.	Providing and installing at site of work 63mm (0.662) PVC pipes of 6 Kg / cm@ including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak.	Mtrs	1106.00	110.24	Rupees One Hundred Ten and Twenty Four Paise only
31.	Providing and installation at site of work 20mm GI pipes including cost of pipes and specials and labour including lowering into trenches, laying true to line, complete as per direction of Engineer-in-charge for Public taps. For Motor / Pipeline.	Rmt	84.00	193.98	Rupees One Hundred Ninety Three and Nienty Eight Paise only
32.	Reviling available earth around pipelines, cables in layer snot exceeding 20cms in depth compacting each deposited layer by ramming after watering withlead up to 50m and lift up to 1.5m including cost of all oabour complete as per specification.	Cum	478.69	59.36	Rupees Fifty Nine Thousand Thirty Six Paise only

Note : The said work for sanctioned estimate Cost of Rs.7.00 Lakhs (Rupees Seven Laks only) (incl. 10%+1%KRIDL Charges+1% Quality control tests Charges) based on "Approved SR rates"

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